



National Aeronautics and Space Administration

# Heliophysics

Explorers PI Forum  
Crystal City, VA

## Guidance and Expectations

Peg Luce  
Heliophysics Division Director (acting)  
*Peg.Luce@nasa.gov*  
Dan Moses  
Heliophysics Program Scientist  
*Dan.Moses@nasa.gov*

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# The First Explorer was a *Heliophysics* Investigation



## A proud tradition

- Manage risk to achieve high-reward science
- Maintain frequent access to space

### Risk management

- Performance
- Cost
- Schedule

To achieve frequent access to space for high-reward science, Explorers program *must* understand and manage risks.





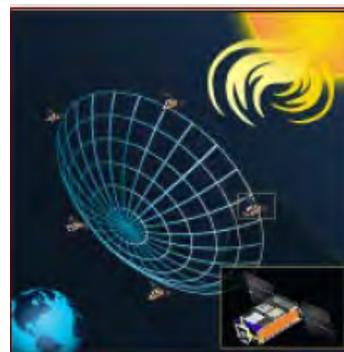


# Heliophysics Mission of Opportunity 2016 Step 1 Selections July 2017

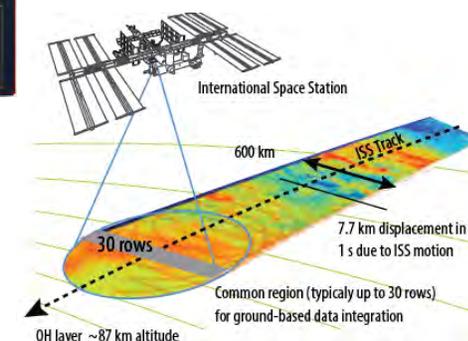


## Mission of Opportunity Small Complete Mission

- **SunRISE** – Univ. Michigan – PI: Kasper
  - Multi-smallsat phased array for *imaging* of Type II & Type III radio
- **AWE** - Univ. Utah – PI: Taylor
  - ISS-based global observations of gravity waves at top of mesosphere



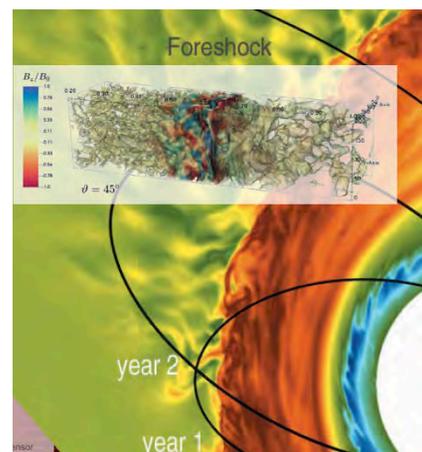
SunRISE



AWE

## Partner Mission of Opportunity – Univ. New Hampshire - Kucharek

- **THOR-US** – participation in ES mission to characterize role of turbulence in magnetospheric-boundary plasma physics
- Pending ESA downselect of M5



THOR-US